

WHAT IS CLAIMED IS:

1. A method for blocking a portion of energy of a signal in a power line, comprising:
 - equipping a high frequency magnetic core with a coil;
 - connecting a capacitor across terminals of said coil to create a resonant circuit that resonates at a frequency of said signal; and
 - placing said magnetic core around said power line at a location where said blocking is desired.
2. The method of claim 1, wherein said core includes an air gap.
3. The method of claim 1,
 - wherein said resonant circuit is a first resonant circuit having a first frequency band blocking characteristic, and
 - wherein said method further comprises performing said equipping, said connecting and said placing to provide a second resonant circuit tuned to a different frequency than said first resonant circuit to create a second frequency band blocking characteristic that is wider than said first frequency band blocking characteristic.
4. An apparatus for blocking a portion of energy of a signal in a power line, comprising:
 - a high frequency magnetic core with a coil; and
 - a capacitor connected across terminals of said coil to create a resonant circuit that resonates at a frequency of said signal,wherein said magnetic core is placed around said power line at a location where said blocking is desired.
5. The apparatus of claim 4, wherein said core includes an air gap.

6. The apparatus of claim 4,
wherein said magnetic core is a first magnetic core, said coil is a first coil,
and said capacitor is a first capacitor,
wherein said resonant circuit is a first resonant circuit having a first
frequency band blocking characteristic, and
wherein said apparatus further comprises:
a second high frequency magnetic core with a second coil; and
a second capacitor connected across terminals of said second coil to
provide a second resonant circuit tuned to a different frequency
than said first resonant circuit to create a second frequency band
blocking characteristic that is wider than said first frequency band
blocking characteristic.